

DYNAMIC LANGUAGE MODEL MIXTURES WITH HISTORY-BASED BUCKETS

Abstract

In an Automatic Speech Recognition (ASR) system having
5 at least two language models, a method is provided for
combining language model scores generated by at least two
language models. A list of most likely words is generated
for a current word in a word sequence uttered by a speaker,
and acoustic scores corresponding to the most likely words
10 are also generated. Language model scores are computed for
each of the most likely words in the list, for each of the
at least two language models. A set of coefficients to be
used to combine the language model scores of each of the
most likely words in the list is respectively and
15 dynamically determined, based on a context of the current
word. The language model scores of each of the most likely
words in the list are respectively combined to obtain a
composite score for each of the most likely words in the
list, using the set of coefficients determined therefor.